Broomfield School

Curriculum Outline

Department: Computing

Overview:

In Years 7 and 8 pupils are taught exciting topics linked with the National Curriculum of Computer Science and include Binary, BBC Microbit, Scratch, Python Programming, Algorithm, Kodu programming and Gaming and literacy skills to promote a deep understanding of Computer Science. In year 9 pupils will be challenged further by doing OCR Entry Level Computer Science giving them a better foundation for the new GCSE Computer Science in Key Stage 4 or Cambridge National IT 2017.

Assessment

Pupils are assessed every half term via end of topic test for each unit. End of topics tests will be carried out using a variety of different tests which assess them on all aspects of their Computing knowledge; there will be a written test administered in the classroom as well as online testing.

Assessment takes place part way through and at the end of each half term. Assessments may feature content previously covered within each key stage to prepare them for the new linear examinations. All year groups take key examinations or public examinations towards the end of an academic year.

Grouping & Setting

In Year 7, pupils are placed into groups based on their progress assessed throughout the year and on end of year tests. In Years 8-11 pupils are taught in sets. These sets are reviewed each half term after end of unit tests. Teaching and learning is differentiated, in both lessons and homework to help all pupils reach the full potential. Intervention groups are available for all pupils, G&T or those not achieving their target grades in order to maximise their performance in examinations.

Support/ Revision/ Extra Curricular and Useful Websites

- BBC Bitesize KS3 Computer Science, SAM Learning
- Pupils will have the opportunity to participate in Computing extra-curricular activities with some focus on examination performance. Younger pupils can join a Coding Club. Pupils of all ages, will also have the opportunity, to take part in national competitions, for example the Cyber Discovery, Alan Turing Cryptography Competition, Kodu Kup, Bebras contest